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ABSTRACT OF THE DISCLOSURE

An electron-emitting device in which the specific capacitance and the drive voltage are reduced, and which is capable of obtaining a finer electron beam by controlling the trajectory of emitted electrons. An electron-emitting portion of an electron-emitting member is positioned between the height of a gate and the height of an anode. When the distance between the gate and a cathode is  $d$ ; the potential difference at driving the device is  $V_1$ ; the distance between the anode and the substrate is  $H$ ; and the potential difference between the anode and the cathode is  $V_2$ , then the electric field  $E_1 = V_1/d$  during driving is configured to be within the range from 1 to 50 times  $E_2 = V_2/H$ .

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